

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/050993 A2**

(51) International Patent Classification<sup>7</sup>: **H04N 7/16**  
(21) International Application Number:  
PCT/US2004/037619

(22) International Filing Date:  
12 November 2004 (12.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/520,359 13 November 2003 (13.11.2003) US

(71) Applicant (for all designated States except US): **NCUBE CORPORATION** [US/US]; 1825 NW, 167th Place, Beaverton, OR 97006 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **AABY, Cliff** [US/US]; 1311 NE 152nd Avenue, Vancouver, WA (US). **PARKER, Christian, J.** [US/US]; 8605 SW 45th Drive, Portland, OR (US).

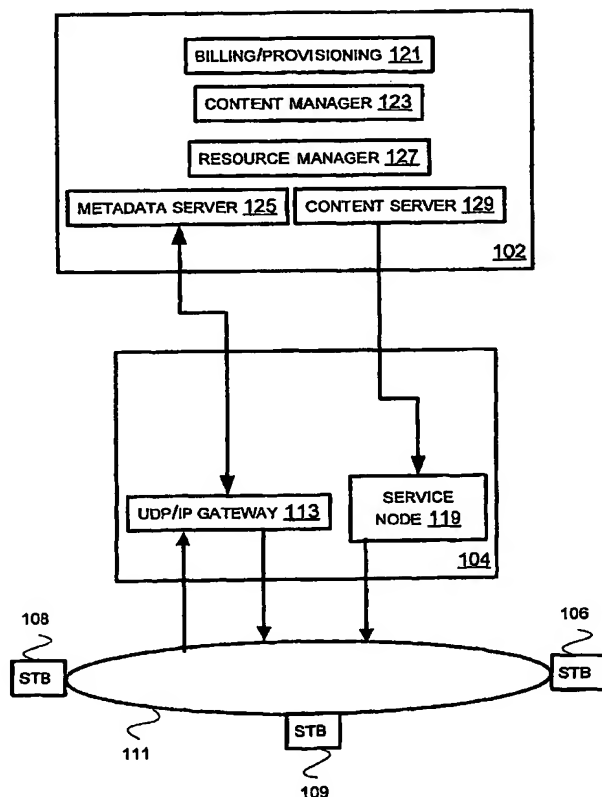
(74) Agents: **SACHAR, Surinder et al.**; Oblon, Spivak, McClelland, Maier & Neustadt, P.C., 1940 Duke Street, Alexandria, VA 22314 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,

[Continued on next page]

(54) Title: **SYSTEM TO PROVIDE MARKERS TO AFFECT RENDERING AND NAVIGATION OF CONTENT ON DEMAND**



(57) Abstract: A content on demand system includes logic to deliver at least one audio and/or video stream and to insert markers in the at least one stream, the markers indicating a position in the at least one stream, and logic to receive from a set top box a marker for an audio and/or video stream for which the set top box has paused or suspended viewing, and upon a signal from the set top box to resume streaming of the audio and/or video stream from a position proximate to the marker.



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *without international search report and to be republished upon receipt of that report*